Drought Contingency Plan October 15, 2014

Delta Protection Commission Meeting

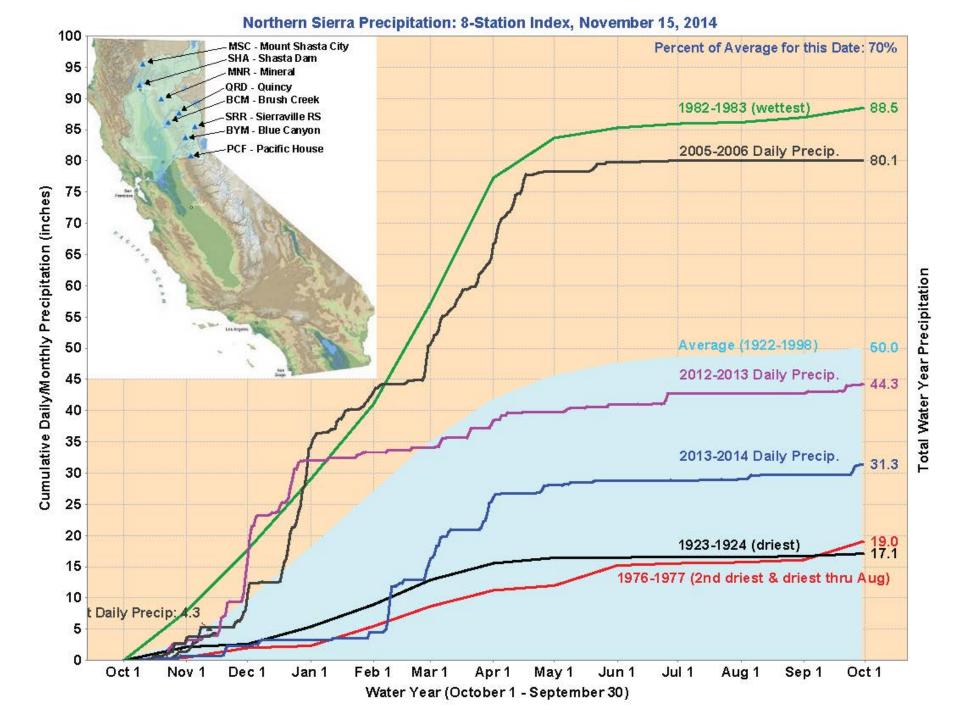
Clarksburg, CA November 20, 2014

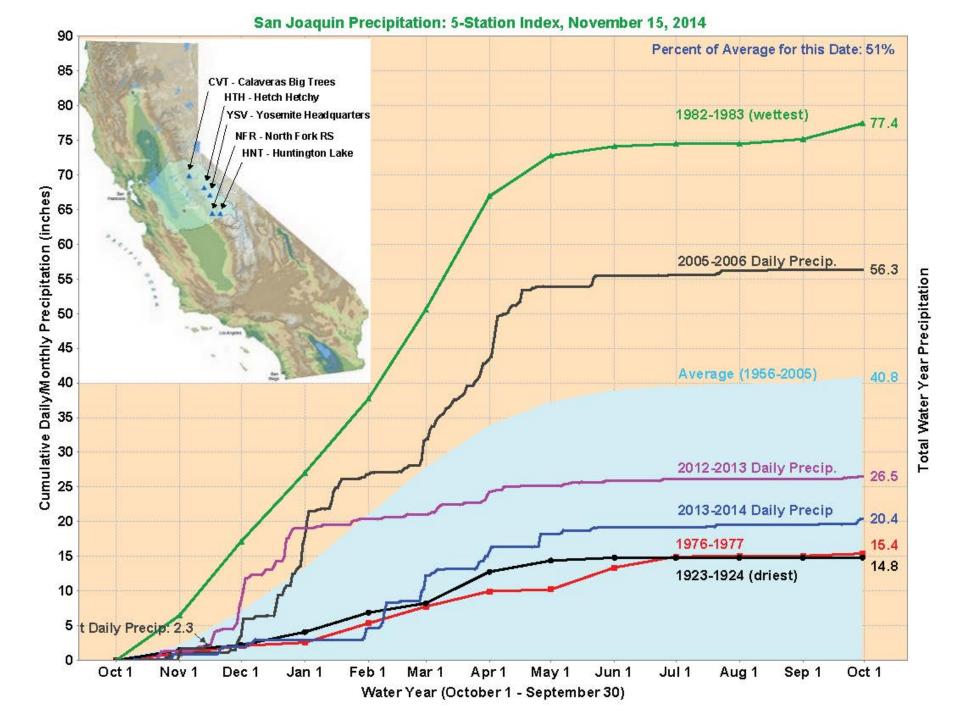
Paul A. Marshall, Chief

Bay Delta Office Department of Water Resources

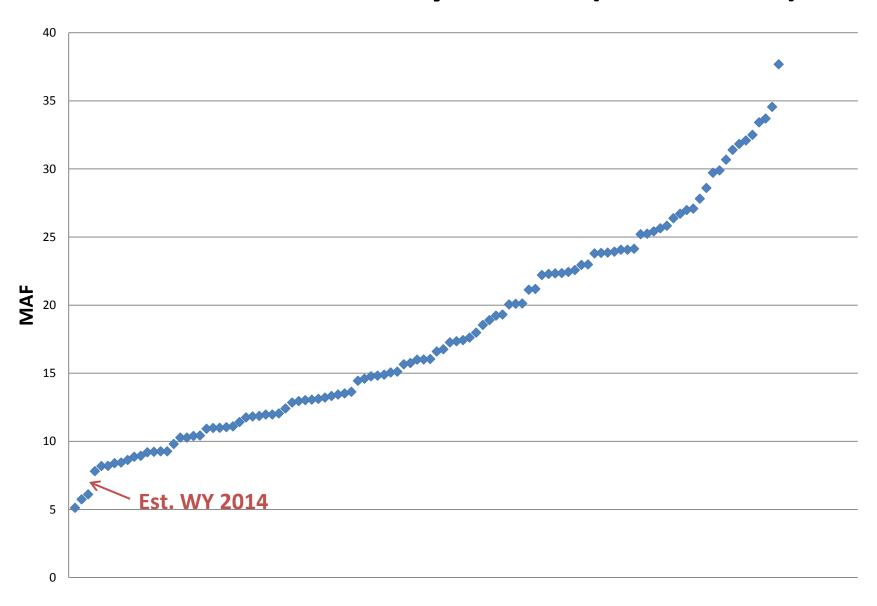
WY 2014 Hydrology and Beyond



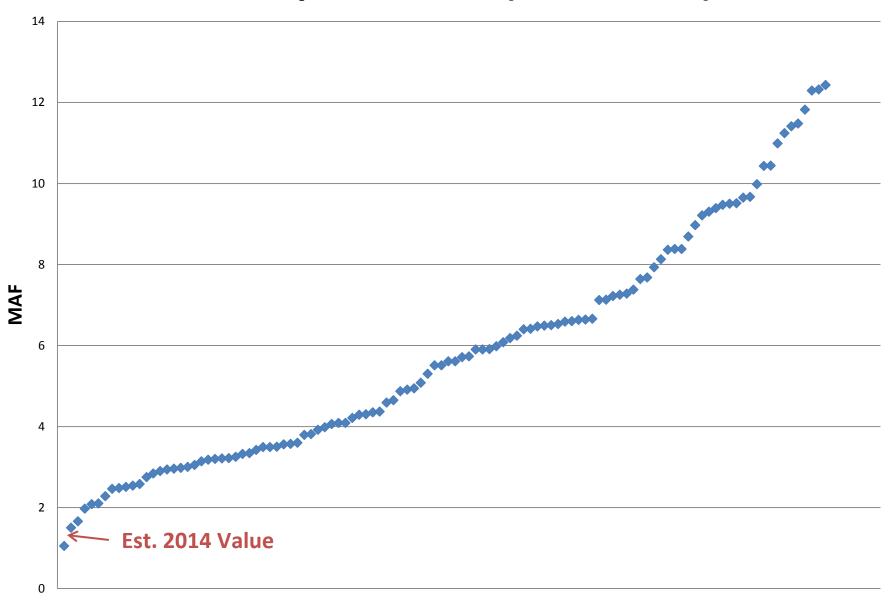




Sacramento Valley Runoff (1906-2014)



San Joaquin Runoff (1901-2014)

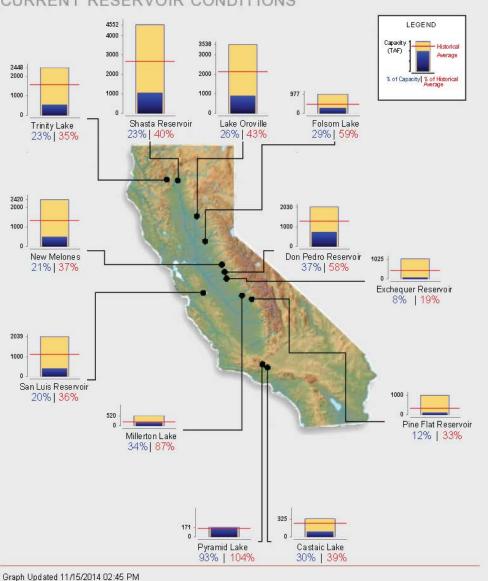


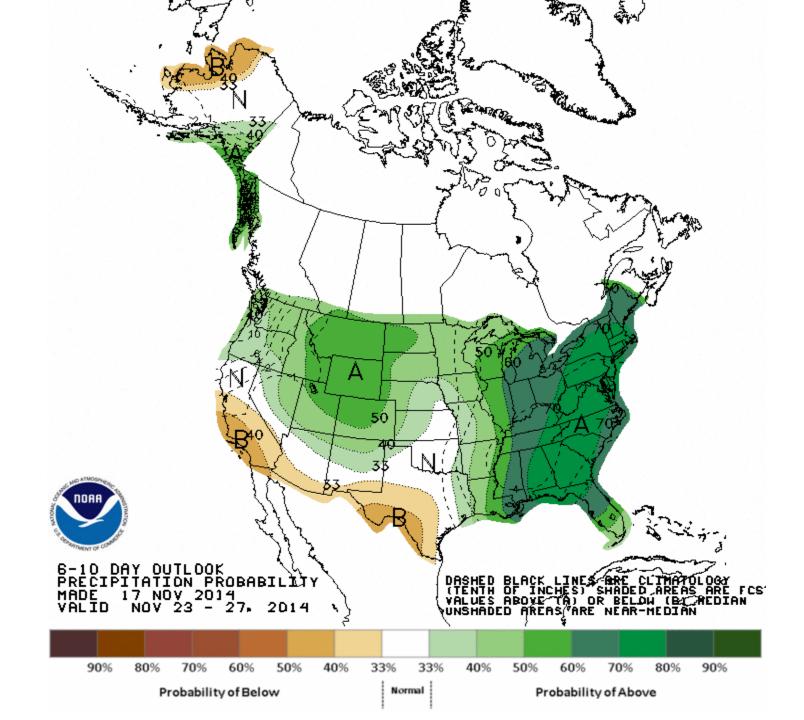


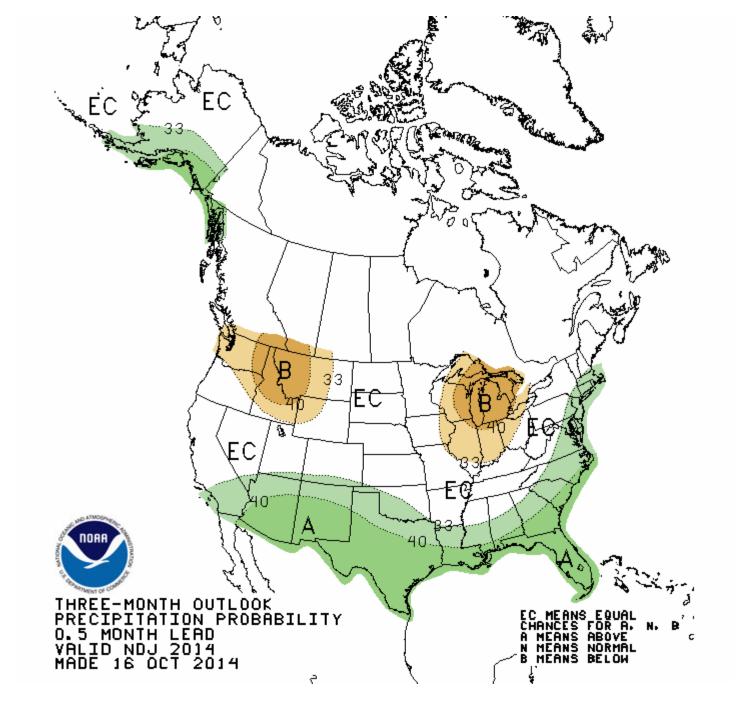
Reservoir Conditions

Ending At Midnight - November 14, 2014

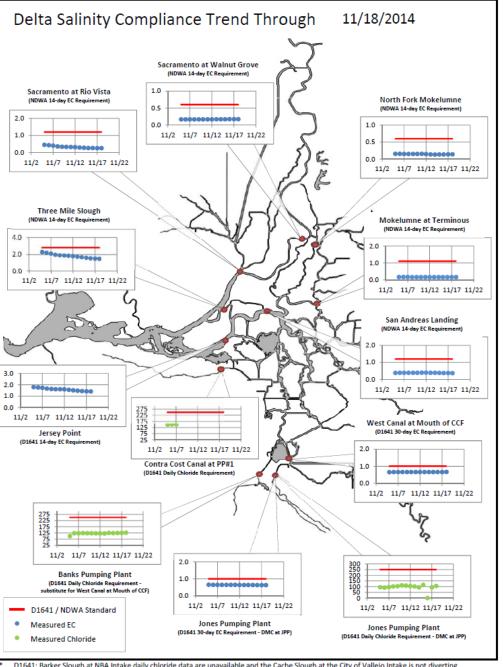
CURRENT RESERVOIR CONDITIONS







Constant Monitoring of **Delta Salinity**



D1641: Barker Slough at NBA Intake daily chloride data are unavailable and the Cache Slough at the City of Vallejo Intake is not diverting

^{**} NDWA: Steamboat Slough at Sutter Slough data are unavailable

^{***} D1641: Agricultural water quality standards not included

October 15, 2014 Drought Contingency Plan

CRITERIA	Oct 2014	Nov 2014	Dec 2014	Jan 2015
FLOW/OPERATIONAL				
Fish and Wildlife				
SWP/CVP Export Limits				
Export/Inflow Ratio	65%			
Minimum Outflow - mon.	3000 cfs	3500 cfs	3500 cfs	4500 cfs
- 7 day average	2000 cfs	2500 cfs	2500 cfs	3500 cfs
Habitat Protection Outflow, X2				
,				
River Flows:				
@ Rio Vista - min. mon. avg. - 7 day average	3000 cfs (2000 cfs)	3500 cfs (2000 cfs thorugh Nov 15)	3500 cfs	
- 7 day average	2000 cfs (1500 cfs)	2500 cfs (1500 cfs through Nov 15)	2500 cfs	
@ Vernalis: Base -min. mon. avg.	284			
- 7 day average 🐈	(800 cfs avg for 31-day period) — 		
Pulse objective	(Up to 28 TAF)			
Delta Cross Channel Gates			Close up to 45 days during Nov-Jan	
WATER QUALITY STANDARDS				
Municipal and Industrial				
All Export Locations	<= 250 mg/l Chlorides			
Contra Costa Canal	<= 150 mg/L Cl for 155 days (233 days met as of 9/21/2014)			
Agriculture				
All Diversion Locations	30 day running avg EC <= 1.0 mS/cm			
Fish and Wildlife				
Suisun Marsh Salinity	19 mS/cm	15.5 mS/cm for Eastern / 16.5 for Western	15.5 mS/cm	12.5 mS/cm

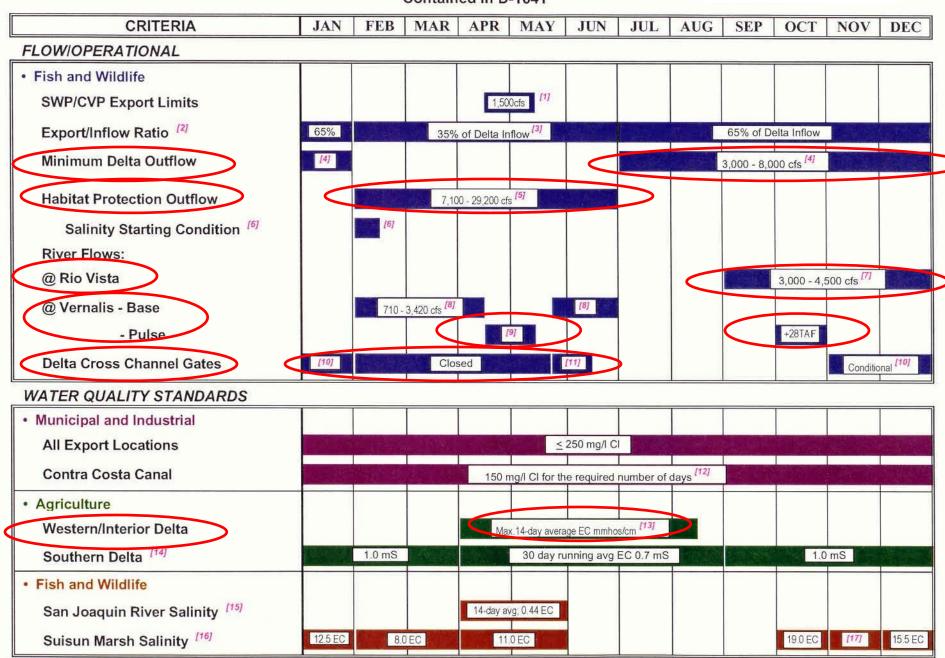
Water Year Classification: (Based on forecast, 05/01/2014)
SRI (40-30-30 @ 50%) = 4.0 MAF (Critical)
SJI (60-20-20 @75%) = 1.1 MAF (Critical)

January 15, 2015 Drought Contingency Plan

- Operational Considerations
 - Essential Human Health and Safety
 - Delta Salinity Control
 - Coldwater Pool Management
 - Adequate Fishery Protections
 - CVP/SWP/Refuge Supplies
 - Exchanges and Transfers

Bay-Delta Standards

Contained in D-1641



[#] See Footnotes

For more information log onto the Department of Water Resources Website:

www.water.ca.gov

Select the **Drought** button for the latest information

Paul A. Marshall
Paul.Marshall@water.ca.gov
(916) 653-1099

